

wherein:

C³
cont
R₁ is selected from H, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkynyl, halogen, CN, C₁₋₄ haloalkyl, trifluoromethyl, trifluoromethoxy, -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), -O(C₁₋₄ alkyl), and S(O)_n(C₁₋₄ alkyl);

R₃ is selected from the group consisting of hydrogen, halogen, C₁₋₄ alkyl, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), and -S(O)_n(C₁₋₄ alkyl), haloalkyl, trifluoromethyl, trifluoromethoxy, -XR_A and Y;

Q
R_X and R_Y are the same or different and are independently selected straight, branched, or cyclic alkyl groups having from 1 to 8 carbon atoms, which may contain one or more double or triple bonds, each of which may be further substituted with one or more substituent(s) independently selected from hydroxy, halogen, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), : hydrogen and straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, each of which alkyl groups may contain one or more double or triple bonds, and may be further substituted with one or more substituent(s) selected from oxo, hydroxy, halogen, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), -NHC(O)(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)C(=O)(C₁₋₄ alkyl), -NHS(O)_n(C₁₋₄ alkyl), -S(O)_n(C₁₋₄ alkyl), -S(O)_nNH(C₁₋₄ alkyl), -S(O)_nN(C₁₋₄ alkyl)(C₁₋₄ alkyl), Z, and phenyl, optionally mono-, di- or tri-substituted with substituents independently chosen from C1-4 alkoxy, C1-4 alkyl, halogen, CF₃, OCF₃, OCHF₂, OH, and CN; and

Ar is phenyl, mono-, di-, or tri-substituted with R_C, or

Ar is selected from the group consisting of:

naphthyl, pyridyl, pyridonyl, pyrimidinyl, and thiophenyl, each of which is unsubstituted or mono-, di-, or tri-substituted with R_C;

with the proviso that if Ar is phenyl, phenyl substituted with halogen, naphthyl, or naphthyl substituted with halogen, then the compounds where R₃ is hydrogen are excluded;

R_A and R_B, which may be the same or different, are independently selected at each occurrence from the group consisting of: hydrogen and straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, which may contain one or more double or triple bonds, each of which may be further substituted with one or more substituent(s) selected from oxo, hydroxy, halogen, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), -

$\text{NHC(O)(C}_{1-4}\text{ alkyl)}$, $\text{-N(C}_{1-4}\text{ alkyl)C(=O)(C}_{1-4}\text{ alkyl)}$, $\text{-NHS(O)}_n\text{(C}_{1-4}\text{ alkyl)}$, $\text{-S(O)}_n\text{(C}_{1-4}\text{ alkyl)}$, $\text{-S(O)}_n\text{NH(C}_{1-4}\text{ alkyl)}$, $\text{-S(O)}_n\text{N(C}_{1-4}\text{ alkyl)(C}_{1-4}\text{ alkyl)}$, and Z;

C3 cont
R_C is independently selected at each occurrence from the group consisting of halogen, cyano, haloalkyl, trifluoromethyl, trifluoromethoxy, hydroxy, amino, and C₁₋₆ alkyl optionally substituted with 0-2 R_D, C₂₋₆ alkenyl substituted with 0-2 R_D, C₁₋₄ alkynyl substituted with 0-2 R_D, C₃₋₇ cycloalkyl substituted with 0-2 R_D, (C₃₋₇ cycloalkyl)C₁₋₄ alkyl substituted with 0-2 R_D, -O(C₁₋₄ alkyl) substituted with 0-2 R_D, -NH(C₁₋₄ alkyl) substituted with 0-2 R_D, -N(C₁₋₄ alkyl)(C₁₋₄ alkyl) each independently substituted with 0-2 R_D, -X_RA, and Y;

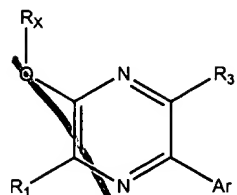
C1
R_D is independently selected at each occurrence the group consisting of halogen, hydroxy, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), morpholino, pyrrolidino, piperidino, thiomorpholino, piperazino, 4-hydroxypiperidino, -S(O)_n(C₁₋₄alkyl), trifluoromethyl, trifluoromethoxy, CO(C₁₋₄alkyl), CONH(C₁₋₄alkyl), CON(C₁₋₄alkyl)(C₁₋₄alkyl), -X_RA, and Y;

X is independently selected at each occurrence from the group consisting of -CH₂-, -CHR_B-, -O-, -C(=O)-, -C(=O)O-, -S(O)_n-, -NH-, -NR_B-, -C(=O)NH-, -C(=O)NR_B-, -S(O)_nNH-, -S(O)_nNR_B-, -OC(=S)S-, -NHC(=O)-, -NR_BC(=O)-, -NHS(O)_n-, -OSiH_n(C₁₋₄alkyl)_{2-n}-, and -NR_BS(O)_n-;

Y and Z is independently selected at each occurrence from the group consisting of: 3- to 7-membered carbocyclic and heterocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents selected from halogen, haloalkyl, oxo, hydroxy, amino, C₁₋₄ alkyl, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), and -S(O)_n(C₁₋₄ alkyl), and said 3- to 7-membered heterocyclic groups contain one or more heteroatom(s) selected from N, O, and S, with the point of attachment being either carbon or nitrogen; and

n is independently selected at each occurrence from 0, 1, and 2.

D1 cont
19. A compound of the Formula:



Formula B

wherein:

R_X is chosen from the group consisting of:

straight, branched, or cyclic alkyl groups, including (cycloalkyl)alkyl groups, having from 1 to 8 carbon atoms, which groups may contain one or more double or triple bonds, each of which groups may be further substituted with one or more substituent(s) independently selected from oxo, hydroxy, halogen, $-O(C_{1-4} \text{ alkyl})$, $-NH(C_{1-4} \text{ alkyl})$, $-N(C_{1-4} \text{ alkyl})(C_{1-4} \text{ alkyl})$, $-NHC(O)(C_{1-4} \text{ alkyl})$, $-N(C_{1-4} \text{ alkyl})C(=O)(C_{1-4} \text{ alkyl})$, $-NHS(O)_n(C_{1-4} \text{ alkyl})$, $-S(O)_n(C_{1-4} \text{ alkyl})$, $-S(O)_nNH(C_{1-4} \text{ alkyl})$, $-S(O)_nN(C_{1-4} \text{ alkyl})(C_{1-4} \text{ alkyl})$, Z, and phenyl, optionally mono-, di- or tri-substituted with substituents independently chosen from C1-4 alkoxy, C1-4 alkyl, halogen, CF_3 , OCF_3 , $OCHF_2$, OH, and CN; and

R_1 is selected from H, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, halogen, CN, C_{1-4} haloalkyl, trifluoromethyl, trifluoromethoxy, $-NH(C_{1-4} \text{ alkyl})$, $-N(C_{1-4} \text{ alkyl})(C_{1-4} \text{ alkyl})$, $-O(C_{1-4} \text{ alkyl})$, and $S(O)_n(C_{1-4} \text{ alkyl})$;

R_3 is selected from the group consisting of hydrogen, halogen, C_{1-4} alkyl, $-O(C_{1-4} \text{ alkyl})$, $-NH(C_{1-4} \text{ alkyl})$, $-N(C_{1-4} \text{ alkyl})(C_{1-4} \text{ alkyl})$, and $-S(O)_n(C_{1-4} \text{ alkyl})$, haloalkyl, trifluoromethyl, trifluoromethoxy, $-XR_A$ and Y;

Ar is phenyl, mono-, di-, or tri-substituted with R_C , or

Ar is selected from the group consisting of:

naphthyl, pyridyl, pyridonyl, pyrimidinyl, and thiophenyl, each of which is unsubstituted or mono-, di-, or tri-substituted with R_C ;

with the proviso that if Ar is phenyl, phenyl substituted with halogen, naphthyl, or naphthyl substituted with halogen, then the compounds where R_3 is hydrogen are excluded;

R_A and R_B , which may be the same or different, are independently selected at each occurrence from the group consisting of: hydrogen and straight, branched, or cyclic alkyl groups consisting of 1 to 8 carbon atoms, which may contain one or more double or triple bonds, each of which may be further substituted with one or more substituent(s) selected from

oxo, hydroxy, halogen, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), -NHC(O)(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)C(=O)(C₁₋₄ alkyl), -NHS(O)_n(C₁₋₄ alkyl), -S(O)_n(C₁₋₄ alkyl), -S(O)_nNH(C₁₋₄ alkyl), -S(O)_nN(C₁₋₄ alkyl)(C₁₋₄ alkyl), and Z;

ent
R_C is independently selected at each occurrence from the group consisting of halogen, cyano, haloalkyl, trifluoromethyl, trifluoromethoxy, hydroxy, amino, and C₁₋₆ alkyl optionally substituted with 0-2 R_D, C₂₋₆ alkenyl substituted with 0-2 R_D, C₁₋₄ alkynyl substituted with 0-2 R_D, C₃₋₇ cycloalkyl substituted with 0-2 R_D, (C₃₋₇ cycloalkyl)C₁₋₄ alkyl substituted with 0-2 R_D, -O(C₁₋₄ alkyl) substituted with 0-2 R_D, -NH(C₁₋₄ alkyl) substituted with 0-2 R_D, -N(C₁₋₄ alkyl)(C₁₋₄ alkyl) each independently substituted with 0-2 R_D, -XR_A, and Y;

2
R_D is independently selected at each occurrence the group consisting of halogen, hydroxy, cyano, C₁₋₄alkyl, -O(C₁₋₄alkyl), -NH(C₁₋₄alkyl), -N(C₁₋₄alkyl)(C₁₋₄alkyl), morpholino, pyrrolidino, piperidino, thiomorpholino, piperazino, 4-hydroxypiperidino, -S(O)_n(C₁₋₄alkyl), trifluoromethyl, trifluoromethoxy, CO(C₁₋₄alkyl), CONH(C₁₋₄alkyl), CON(C₁₋₄alkyl)(C₁₋₄alkyl), -XR_A, and Y;

X is independently selected at each occurrence from the group consisting of -CH₂-, -CHR_B-, -O-, -C(=O)-, -C(=O)O-, -S(O)_n-, -NH-, -NR_B-, -C(=O)NH-, -C(=O)NR_B-, -S(O)_nNH-, -S(O)_nNR_B-, -OC(=S)S-, -NHC(=O)-, -NR_BC(=O)-, -NHS(O)_n-, -OSiH_n(C₁₋₄alkyl)_{2-n}-, and -NR_BS(O)_n-;

Y and Z is independently selected at each occurrence from the group consisting of: 3- to 7-membered carbocyclic and heterocyclic groups, which are saturated, unsaturated, or aromatic, which may be substituted with one or more substituents selected from halogen, haloalkyl, oxo, hydroxy, amino, C₁₋₄ alkyl, -O(C₁₋₄ alkyl), -NH(C₁₋₄ alkyl), -N(C₁₋₄ alkyl)(C₁₋₄ alkyl), and -S(O)_n(C₁₋₄ alkyl), and said 3- to 7-membered heterocyclic groups contain one or more heteroatom(s) selected from N, O, and S, with the point of attachment being either carbon or nitrogen; and n is independently selected at each occurrence from 0, 1, and 2.